



City of Fort Lauderdale Emergency Management **BRIEFING REPORT # 4**

Contact Information

Standard hours phone: 954-828-6700
Fax: 954-828-6709

1. Incident Name
TROPICAL STORM ISAAC

2. Date
August 24, 2012

3. Time
17:00HRS

4. City EOC Activation Level
Level 3- monitoring & assessment

5. Emergency Declaration: (Local, County, State or Federal)
None

6. Prepared by:
EM Coordinator

BULLETIN

TROPICAL STORM ISAAC ADVISORY NUMBER 15
NWS NATIONAL HURRICANE CENTER MIAMI FL AL092012
500 PM EDT FRI AUG 24 2012

...ISAAC STRENGTHENS A LITTLE MORE...CENTER TO MAKE LANDFALL IN
HAITI TONIGHT...

AT 500 PM EDT...2100 UTC...THE CENTER OF TROPICAL STORM ISAAC WAS
LOCATED NEAR LATITUDE 17.2 NORTH...LONGITUDE 71.9 WEST. ISAAC IS
MOVING TOWARD THE NORTHWEST NEAR 16 MPH...26 KM/H...AND THIS MOTION
IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THE
FORECAST TRACK...THE CENTER OF ISAAC SHOULD MAKE LANDFALL IN HAITI
THIS EVENING...MOVE NEAR OR OVER SOUTHEASTERN CUBA ON SATURDAY...
MOVE NEAR OR OVER CENTRAL CUBA SATURDAY NIGHT...AND APPROACH THE
FLORIDA KEYS ON SUNDAY.

REPORTS FROM AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT INDICATE
THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 65 MPH...100
KM/H...WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS LIKELY
BEFORE LANDFALL...FOLLOWED BY SOME WEAKENING AS THE CENTER CROSSES
HAITI AND SOUTHEASTERN CUBA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 185 MILES...295 KM
FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY THE HURRICANE HUNTER
AIRCRAFT IS 994 MB...29.35 INCHES.

8. INCIDENT GRAPHICS AND INFORMATION

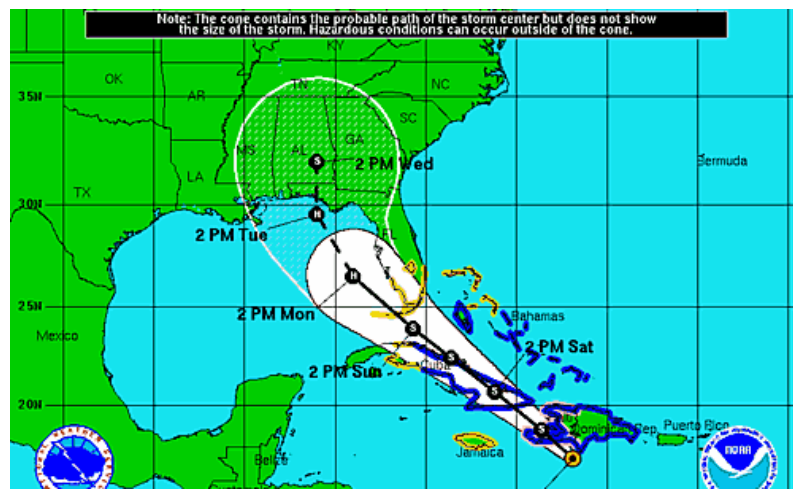
TROPICAL STORM WATCH ISSUED FOR OUR AREA

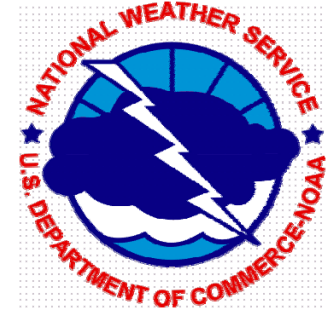
8/24 – 4:30pm National Hurricane Center Briefing:

- Isaac has strengthen to 65mph winds
- Motion has changed to NW vs West NW this morning
- Motion of storm has slowed down
- Models have shifted East as of 5pm advisory
- Possibilities that storm will be over warm water longer which will make storm stronger
- Tropical Storm, Watch issued for our area

Fort Lauderdale continues to monitor the progress of TS Isaac and will continue to update you accordingly.

Next NHC Briefing will be on 8/25/12 @ 8:30am





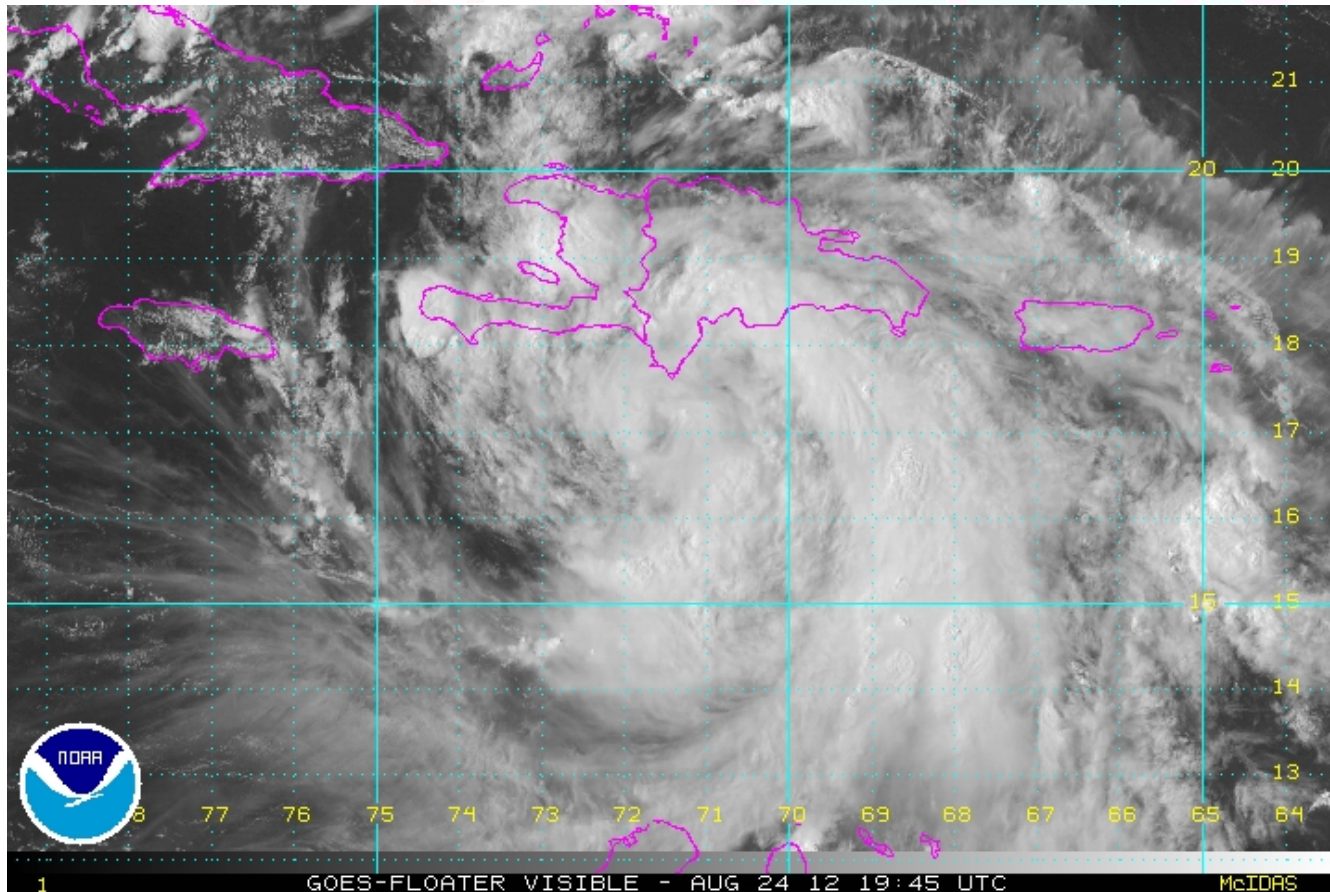
NWS Miami Briefing on Isaac

Friday, August 24, 430 PM

National Weather Service
Miami/South Florida
Forecast Office

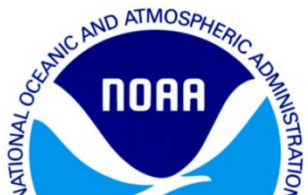


Afternoon Satellite Image and Latest Trends



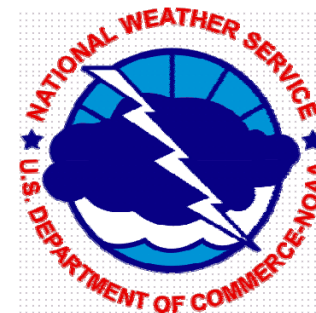
- Isaac has strengthened today and pressures have lowered.
- Gradual turn to the NW has begun.

5 PM Prelim: Max wind: 65 mph Moving: NW 16 mph

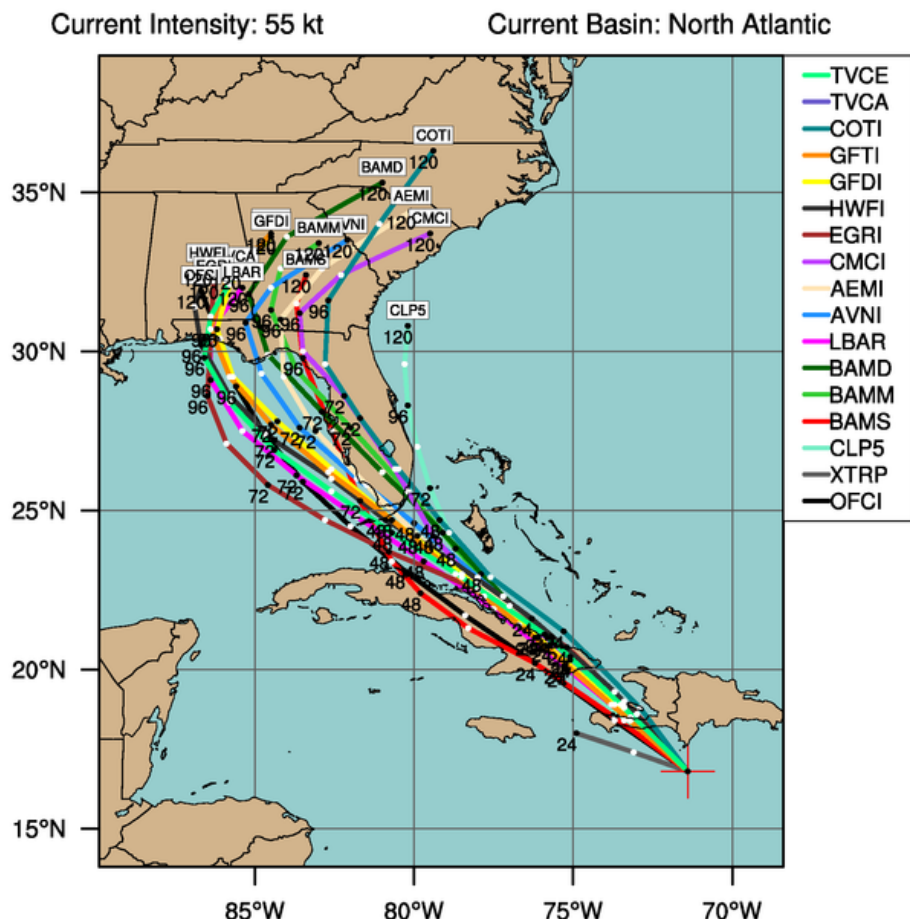


Model Guidance

TROPICAL STORM ISAAC (AL09)



Early-cycle track guidance initialized at 1800 UTC, 24 August 2012



Models have shifted slightly east since this morning.

ECMWF (not shown) has also shifted east and is very close to previous NHC advisory track.

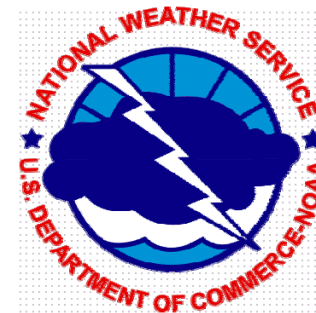
By using this plot, the user agrees to the UCAR Terms of Use which can be accessed at: <http://www2.ucar.edu/terms-of-use>

Plot generated at 1952 UTC 24 August 2012





Model Trends



- Models also a little faster moving system towards Florida.
- Center of system near Florida Keys Sunday evening.
- Still at TS strength but longer time over water south of FL could be problematic.



Main Changes

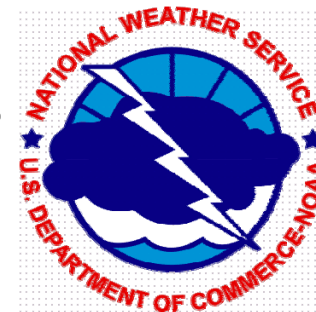


- Tropical Storm Watch will be issued for entire southern FL peninsula and Keys. All counties covered by NWS Miami under TS Watch effective 5 PM.
- Onset of sustained TS winds could be as early as Sunday morning over southern areas and Sunday afternoon elsewhere.



Potential South FL Impacts

WIND



Potential Tropical Storm Force **Sustained** Wind Timing:

Miami-Dade County: Beginning Sunday morning through early Monday morning. Most likely scenario: sustained 30-35 mph with gusts 45-55 mph.

Broward County: Beginning Sunday afternoon through early Monday morning. Most likely scenario: sustained 30-35 mph with gusts 40-50 mph.

Collier County: Beginning Sunday afternoon through midday Monday. Most likely scenario: sustained 35-40 mph with gusts 50-60 mph.

Palm Beach County: Beginning late Sunday afternoon through early Monday morning. Most likely scenario: sustained 25-35 mph with gusts 40-45 mph.

Hendry/Glades counties: Beginning early Sunday evening through Monday morning. Most likely scenario: sustained 30-35 mph with gusts 40-50 mph.

Don't focus too much on cone – TS wind field spreads out to NE over 150 miles from center.

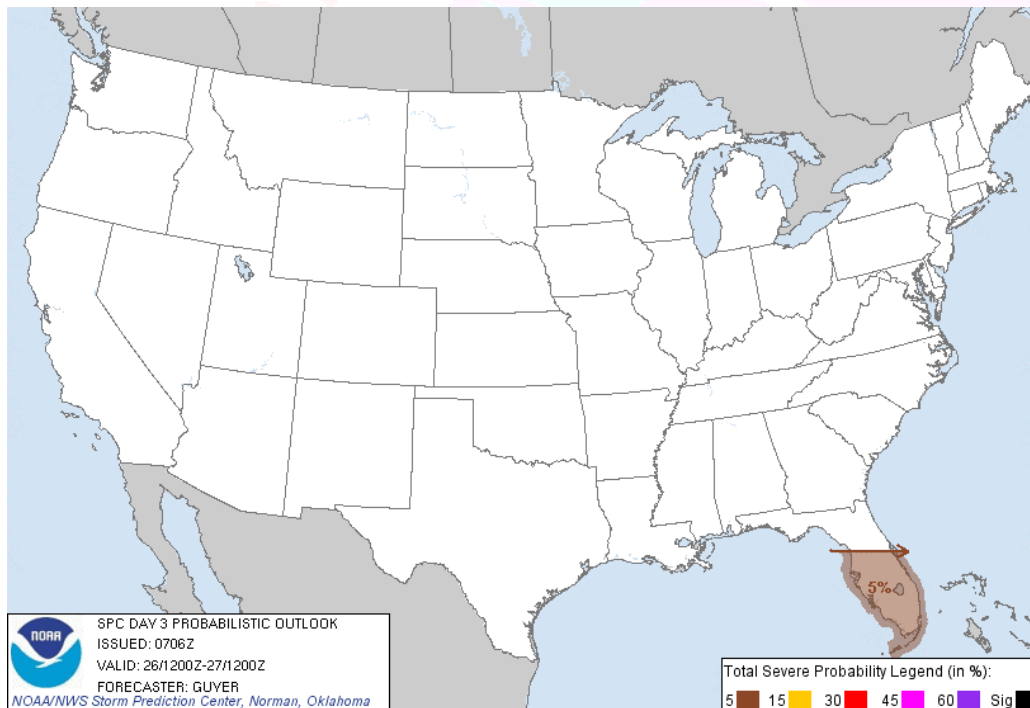
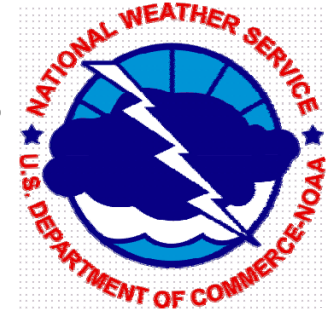
Downed power lines, snapped tree branches and weak trees uprooted.

Most likely SW coast but possible all areas.



Potential South FL Impacts

TORNADO

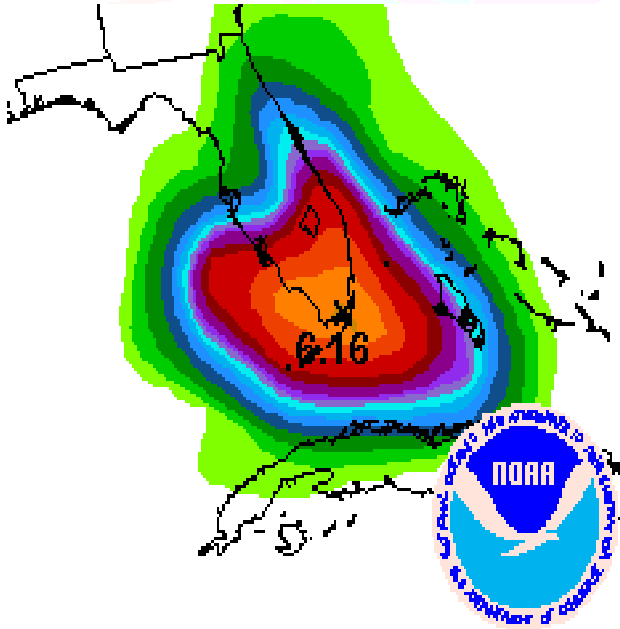
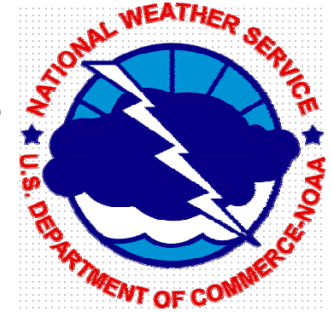


Some tornado risk associated with outer rain bands late Sunday into Monday, regardless of strength and exact location of storm center.



Potential South FL Impacts

RAIN/FLOODING



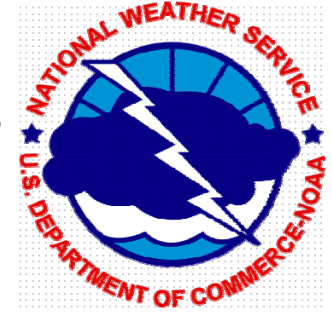
3-6 inches area-wide Sunday through early Monday, with locally higher amounts 7 inches or greater, especially south and west.

Significant flooding a concern, Flood Watch possible later this weekend.



Potential South FL Impacts

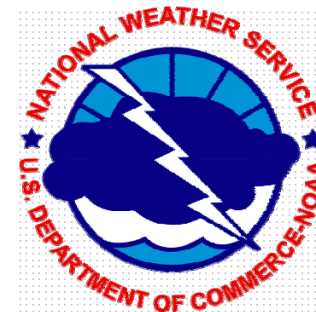
COASTAL FLOODING/SURGE



- Most uncertain of the hazards at this time.
- Potential inundation of 3-4 ft along Collier coast if track stays close to coast.
- Southern Biscayne Bay, inundation around 2-4 ft possible if center tracks very close or over peninsula.



Social Media



- Facebook:

www.facebook.com/US.NationalWeatherService.Miami.gov

- Twitter: <https://twitter.com/NWSMiami>

We also monitor EM/county/city social media sites. Please pass along your social media links to us so we can monitor.



Questions?

Thank you for your time!

*National Weather Service
Miami/South Florida Forecast Office*